

INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

International application No.

PCT/US 03/08455

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, Pages

1-76 as originally filed

Claims, Numbers

1-33 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- the language of publication of the international application (under Rule 48.3(b)).
- the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- the description, pages:
- the claims, Nos.:
- the drawings, sheets: .

5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

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III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:
 - the entire international application,
 - claims Nos. 9-14 in respect of industrial applicability

because:

 - the said international application, or the said claims Nos. 9-14 relate to the following subject matter which does not require an international preliminary examination (specify):
see separate sheet
 - the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):
 - the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.
 - no international search report has been established for the said claims Nos.
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:
 - the written form has not been furnished or does not comply with the Standard.
 - the computer readable form has not been furnished or does not comply with the Standard.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-33
	No: Claims	
Inventive step (IS)	Yes: Claims	1-33
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-8, 15-33
	No: Claims	

2. Citations and explanations

see separate sheet

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1. The following document is cited in the International Search Report:

D1: WO 00 47559 A (NAPORA FREDDY ANDRE ;MANCUSO VINCENT (BE); KRUSHINSKI JOSEPH HERMA) 17 August 2000 (2000-08-17).

In the light of the prior art document D1 the subject matter claimed appears to be novel and to involve an inventive step (Articles 33(2) and (3) PCT, section V).

D1 discloses compounds effective as 5-HT_{1F}-agonists and therefore useful as anti-migraine agents. The compounds of D1 differ from the claimed compounds mainly in three structural portions: the phenyl, which is pyridyl in the compounds as claimed, in A which is NR³-CO-R¹ as claimed and in R¹ which is R⁴ as claimed.

The subject matter claimed is thus novel over the cited prior art.

2. The technical problem underlying the present invention was the provision of further compounds useful as 5-HT_{1F}-anti-migraine agents.

The skilled person faced with the task of solving said problem would not have arrived at the claimed compounds without inventive ingenuity. The structural differences of the claimed compounds when compared to the anti-migraine compounds known from D1 are not derivable from the prior art or common technical knowledge in an obvious manner. The solution to the technical problem thus appears to be non-obvious in the light of D1.

3. For the assessment of the present claims 9-14 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment (section III).

Claims 9-14 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated

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with respect to the industrial applicability of the subject-matter of these claims
(Article 34(4)(a)(i) PCT).